



# **Watch County Notification (WCN) Implementation Plan:**

**A Familiarization Guide for External  
Partners, Emergency Managers and the  
Broadcast Media**

**Operational Testing and Evaluation (OT&E)**

National Weather Service  
Charleston, SC

<http://wchs.csc.noaa.gov>

<http://www.nws.noaa.gov/om/watch>

## **Program Background**

Tornado and Severe Thunderstorm watches are issued by the National Centers for Environmental Prediction's (NCEP) Storm Prediction Center (SPC) whenever there is a risk for tornadoes and/or severe thunderstorms across a large geographical area. Currently, watches are issued in the form of parallelograms which are drawn by forecasters at the SPC to encompass and outline the areas that are at the highest risk for severe thunderstorm development. The Watch area is further defined at the local level by National Weather Service (NWS) Weather Forecast Offices (WFO). During this process, local WFOs can add or delete counties from a defined watch area.

The current methodology and process for which severe local storms watches are issued will undergo additional changes during the 2004 season. During this time, the SPC along with a select number of WFOs will continue testing and evaluating a new system for defining severe thunderstorms and tornado watches that was initially tested during the 2003 convective season. Instead of drawing parallelograms to define watch areas, most severe local storms watches will be defined by specific counties. This new "Watch by County" process will allow for both the SPC and local WFOs to streamline the suite of products that is issued to update, cancel, replace or extend severe thunderstorm and tornado watches.

## **Watch By County Operational Testing and Evaluation**

An operational testing and evaluation (OT&E) of the new Watch by County software will begin on August 30, 2004 and continue through October 8, 2004. This test will allow forecasters at the SPC and local WFOs to test and evaluate software that is needed to generate the experimental Watch by County products. The testing period will also allow external users of NWS products to give input on the usefulness of the new produce suite including the new Valid Time Event Code (VTEC). Pending a successful completion of the entire Watch by County process, the new suite of watch products will be expanded for experimental use at all WFOs across the continental United States.

During the Watch by County OT&E, select WFOs will issue dual set of watch products. This includes the new experimental Watch County Notification (WCN) as well as the legacy suite of WFO watch products

which includes Special Weather Statements (SPS) and the State Watch Areal Outline Product (SLS).

## **WFOs Participating in the WBC OT&E\***

### **Eastern Region**

Charleston, SC (CHS)  
Columbia, SC (CAE)  
Newport/Morehead City, NC (MHX)  
Wilmington, NC (ILM)  
Raleigh, NC (RAH)  
Pittsburgh, PA (PBZ)%

### **Central Region**

Pleasant Hill, MO (EAX)  
Springfield, MO (SGF)  
St. Louis, MO (LSX)  
Wichita, KS (ICT)

### **Southern Region**

Lake Charles, LA (LCH)  
Houston/Galveston, TX (HGX)  
Dallas-Ft. Worth, TX (FWD)  
Norman, OK (OUN)

### **Western Region**

Glasgow, MT (GGW)  
Billings, MT (BYZ)  
Great Falls, MT (TFX)  
Boise, ID (BOI)

\* tentative

% WCN Products generated by WFO Pittsburgh (PBZ) will not be evaluated during the WBC OT&E.

## **Tentative Testing Schedule of Watch By County OT&E**

June 8-30, 2004	WBC Software Installed at OT&E Sites
July 7, 2004	Marine Zones added to WCNs and WOUs
August 30 – October 8, 2004	WBC OT&E
February 5, 2005	National WBC Implementation Date
February 22, 2005	Discontinue Legacy Watch Products

Note: all dates are subject to change

## **The Watch By County Process – How Does It Work?**

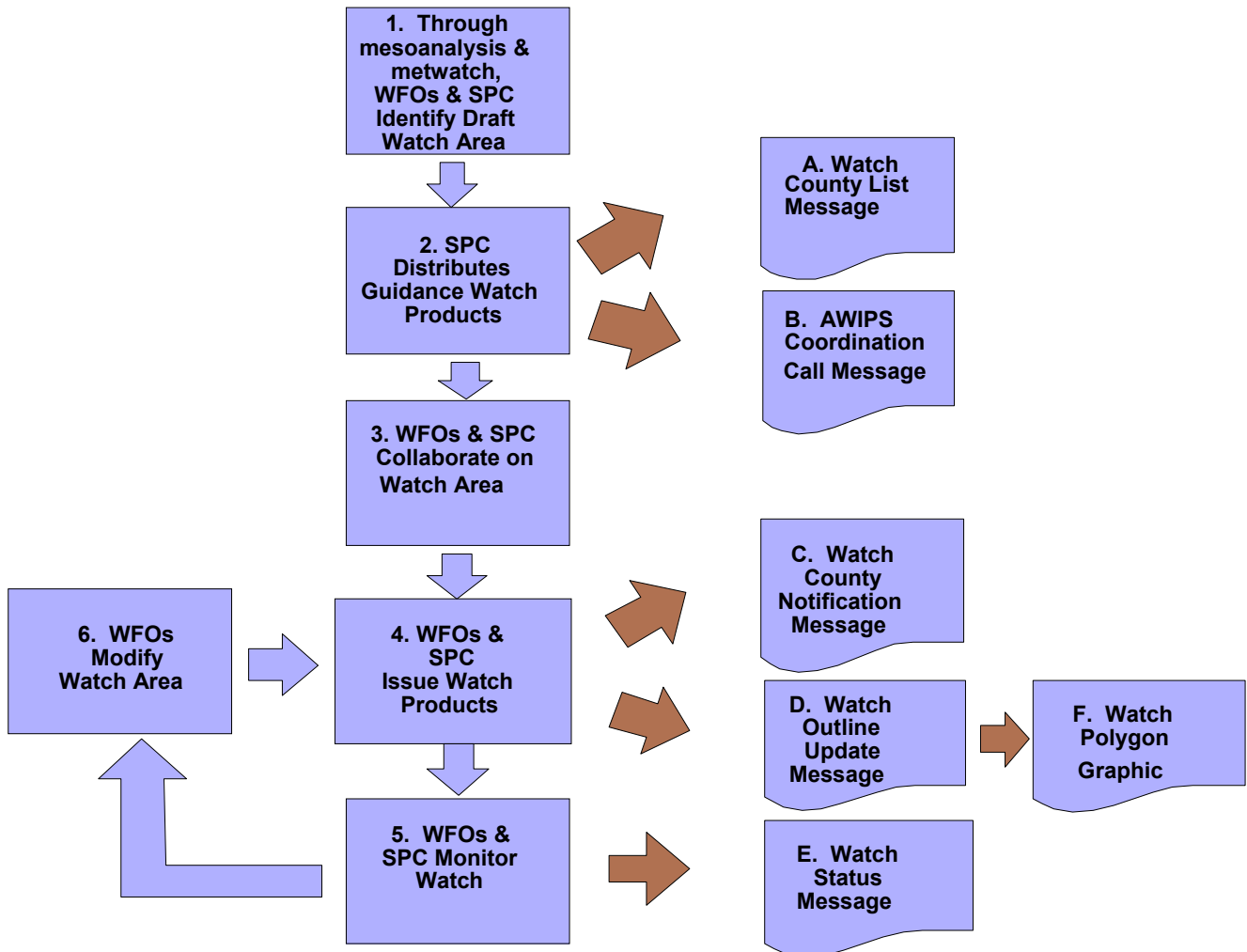
1. The SPC issues convective outlooks and mesoscale discussions to highlight areas that are being monitored by SPC forecasters for severe thunderstorm development.
2. The SPC sends a proposed watch to WFO Watch, Warning, Advisory (WWA) software and conducts a conference call with WFOs whose county warning and forecast areas (CWFA) will be affected.
3. WFO forecasters coordinate with the SPC lead forecaster on the final list of counties and marine areas that will be included in the finalized watch area.
4. SPC issues the standard Severe Thunderstorm or Tornado Watch text products including an experimental Watch Outline Update (WOU). The WOU will contain a list of all counties in a watch area.
5. WFOs issue Watch County Notification (WCN) products listing counties in their respective CWFAs that are affected in the watch.
6. *State Liaison WFO's issue State Areal Outline (SLS) depicting counties in the watch for a particular state. Counties listed in SLS must match those listed in the WOU and WCN products.*
7. WFOs issue warnings and statements as needed.
8. SPC issues mesoscale discussions or watch update messages as needed.
9. WFOs maintain an active weather watch and issue WCN products to clear or maintain counties in an active watch area as needed.
10. *WFOs issue Special Weather Statements (SPS) to clear or maintain counties in an active watch.*
11. SPC issues an updated WOU at the top of each hour indicating which counties remain in the watch as depicted by WCN products issued by each WFO. Counties listed in the WOU and WCN messages will be the same.
12. Watch by County process repeats itself if additional watches are issued.

Steps 6 and 10 depict where legacy products will be utilized during the Watch by County Process. The use of the SLS and SPS will be discontinued in early 2005.

# Watch By County Flow Chart

## Watch By County Processes

## Watch By County Products



## **WFO Official Legacy Products Versus Experimental Watch by County Products**

The following is a list of products that will be issued by WFOs during the Watch by County OT&E Period:

<b><u>Product Name</u></b>	<b><u>Issued By</u></b>	<b><u>Product Description</u></b>
SLS – State Areal Outline*	State Liaison WFO	lists counties in a state that are Included in a watch
SPS – Special Weather Statement*	WFO	used to clear counties from an active watch; also used to update, cancel or extend a watch in a WFO CWFA
WCN – Watch County Notification	WFO	lists counties included in a Watch within a WFO CWFA
HWO – Hazardous Weather Outlook	WFO	used to alert the emergency management community and the media to the potential for hazardous weather

\* denotes legacy product; will be discontinued in early 2005, pending a successful test of the Watch by County process. The Special Weather Statement (SPS) product will continue to be issued for other purposes.

## **SPC Official Legacy Products Versus Experimental Watch by County Products**

The following is a list of products that will be issued by the SPC during the Watch by County OT&E.

### **Product Name**

SEL0-9 – Public Severe Thunderstorm/Tornado Watch

SAW0-9 – Aviation Severe Thunderstorm Watch

WOU – Watch County Update

SWODY1-3 – Convective Outlooks

SWOMCD – Mesoscale Discussions

### **Product Description**

issued to alert the public to the potential for severe thunderstorms and/or tornadoes

issued to alert aviation interests to the potential for severe weather and/or tornadoes; included watch plotting coordinates

lists all counties within an active watch; updated at the top of each hour based on information collected from WFO WCN products

routine outlooks that address general thunderstorm severe thunderstorm potentials

issued to discuss convective trends; usually issued 1-3 hours before a possible severe local storms watch

## **Valid Time Event Code (VTEC)**

VTEC is a new code that will be appended to most NWS products in the future. It contains more specific information about a product (actions/office/valid time) and complements the current Universal Generic Code (UGC) string found at the immediate top of non-segmented products (Severe Weather Statement) or at the beginning of each segment in segmented products (Winter Storm Warning, Special Weather Statement).

VTEC will also enable weather providers and vendors to automate and tailor the product stream delivered to their clients and allows customers to select the specific message types they want to receive. VTEC will help improve automated dissemination of weather information to the public through a myriad of methods, such as paging systems and television crawl systems used to relay urgent severe weather and flood information.

There are two types of VTEC strings; the Primary VTEC string (P-VTEC) and Hydrologic VTEC string (H-VTEC). All severe weather products will contain the P-VTEC string; only hydrologic products will utilize the H-VTEC string.

### **Generic P-VTEC String Format**

```
/k.aaa.cccc.pp.s.####.yymmddThhnnZB-yymmddThhnnZE/
```

### **How to Decode a P-VTEC String**

#### **k – Product Class**

Identifies the product type.

Allowable codes:

O – Operational Product

T – Test Product

E – Experimental Product

X – Experimental Product in Operational Product



### **aaa – Actions**

Identifies the issuance status of an Event.

Allowable codes: NEW – New Event      UPG – Event Upgraded  
CON – Event Continued    CAN – Event Cancelled  
EXP – Event Expired      COR – Correction  
ROU – Routine              EXT – Event Extended (time)  
EXA – Event Extended (area)  
EXB – Event Extended (both area and time)

### **cccc – WFO Office Identifier**

4 letter identifier of issuing WFO. For Example, KCHS, KCAE, PGUM

### **pp – Phenomena**

Identifies the type of weather or non-weather occurrence for which the public is being alerted.

BZ Blizzard	WI Wind	AV Avalanche
WS Winter Storm	HW High Wind	TS Tsunami
WW Winter Weather	LW Lake Wind	MA Marine
SN Snow	FG Dense Fog	SC Small Craft
HS Heavy Snow	SM Dense Smoke	GL Gale
LE Lake Effect Snow	HT Heat	SR Storm
EH Excessive Heat	HF Hurricane Force Wind	UP Ice Accretion
DU Blowing Dust	BS Blowing/Drifting Snow	DS Dust Storm
TR Tropical Storm	FL Flood	HU Hurricane
SB Snow/Blowing Snow	FF Flash Flood	TY Typhoon
IP Sleet	SV Severe Thunderstorm	TI Inland TS Wind
HP Heavy Sleet	TO Tornado	HI Inland Hurricane Wind
ZR Freezing Rain	FW Fire Weather	IS Ice Storm
RH Radiological Hazard	LS Lakeshore Flood	FZ Freeze
ZF Freezing Fog	VO Volcano	CF Coastal Flood
LB Lake Effect Blowing Snow		FR Frost
WC Wind Chill	AS Air Stagnation	SU High Surf

### **s – Significance**

Identifies the risk level of the weather or non-weather occurrence.

Allowable codes: W – Warning      Y – Advisory  
A – Watch              S – Statement  
O – Outlook

### **#### -- Event Tracking Number**

Explicitly identifies which existing watch, warning, advisory, etc is issued, continues, canceled or extended. New event tracking numbers are assigned with each new issuance of a watch, warning, advisory or statement.

### **yymmddThhnnZ<sub>B</sub> – Event Beginning Time**

Identifies when an event will become effective.

yy – year	dd – day	hh -- hour
mm – month	T – Time placeholder	nn – minute
Z <sub>B</sub> – UGC place holder		

### **yymmddThhnnZ<sub>E</sub> – Event Ending Time**

Identifies when an event will be no longer in effect.

yy – year	dd – day	hh -- hour
mm – month	T – Time placeholder	nn – minute
Z <sub>E</sub> – UGC place holder		

## **Example WCN P-VTEC Strings**

```
SCC013-015-019-029-035-053-AMZ350-352-192300-  
/E.NEW.KCHS.TO.A.0123.040519T1705Z-040519T2300Z-
```

This is an Experimental WCN issued by WFO Charleston, SC for a new issuance of Tornado Watch number 123. The watch is valid from 105 pm EDT (1705Z), May 19<sup>th</sup>, 2004 through 700 pm EDT (2300Z), May 19<sup>th</sup>, 2004 for Beaufort, Berkeley, Charleston, Colleton, Dorchester and Jasper Counties in South Carolina, including the adjacent coastal waters from South Santee River, SC to Savannah, GA out 20 nautical miles.

```
SCC013-192300-  
/E.CAN.KCHS.TO.A.0123.000000T0000Z-040519T2300Z-
```

This is an Experimental WCN issued by WFO Charleston, SC to clear Berkeley County, SC from Tornado Watch number 123. The cancellation is valid from now until 700 pm EDT, May 19<sup>th</sup>, 2004.

## **Examples of WCN and WOU Messages**

### **Example 1 – Initial Issuance of a Watch**

WWUS62 KCHS 022006  
WCNCHS

EXPERIMENTAL...WATCH COUNTY NOTIFICATION FOR WATCH 148  
NATIONAL WEATHER SERVICE CHARLESTON SC  
406 PM EDT SUN MAY 2 2004

THIS WATCH COUNTY NOTIFICATION PRODUCT IS AN EXPERIMENTAL PRODUCT BEING  
ISSUED IN ADDITION TO OUR SEVERE WEATHER PRODUCTS.

GAC029-051-103-179-183-191-SCC013-015-019-029-035-049-053-AMZ330-350-  
352-030200-  
/E.NEW.KCHS.SV.A.0148.040502T2030Z-040503T0200Z/

THE NATIONAL WEATHER SERVICE HAS ISSUED SEVERE THUNDERSTORM WATCH  
NUMBER 148 UNTIL 1000 PM EDT SUNDAY EVENING FOR THE FOLLOWING AREAS

IN SOUTHEAST GEORGIA

BRYAN	CHATHAM	EFFINGHAM
LIBERTY	LONG	MCINTOSH

IN SOUTHEAST SOUTH CAROLINA

BEAUFORT	BERKELEY	CHARLESTON
COLLETON	DORCHESTER	HAMPTON
JASPER		

THIS WATCH INCLUDES THE FOLLOWING ADJACENT COASTAL WATERS

SOUTH SANTEE RIVER SC TO EDISTO BEACH SC OUT 20 NM

CHARLESTON HARBOR

EDISTO BEACH SC TO SAVANNAH GA OUT 20 NM

SAVANNAH GA TO ALTAMAHA SOUND GA OUT 20 NM

INCLUDING THE CITIES OF...DARIEN...HALFMOON LANDING...HINESVILLE...  
LUDOWICI...PEMBROKE...SAVANNAH...SPRINGFIELD...TOWNSEND...WILMINGTON...  
WILMINGTON ISLAND...BEAUFORT...CHARLESTON...EDISTO BEACH...HAMPTON...  
HILTON HEAD ISLAND...MONCK'S CORNER...RIDGELAND...SAINT GEORGE AND  
WALTERBORO.

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## Example 2 – Continuation of a Watch with No Counties Cleared

WWUS62 KCHS 022306  
WCNCHS

EXPERIMENTAL...WATCH COUNTY NOTIFICATION FOR WATCH 148  
NATIONAL WEATHER SERVICE CHARLESTON SC  
706 PM EDT SUN MAY 2 2004

THIS WATCH COUNTY NOTIFICATION PRODUCT IS AN EXPERIMENTAL PRODUCT BEING  
ISSUED IN ADDITION TO OUR SEVERE WEATHER PRODUCTS.

GAC029-051-103-179-183-191-SCC013-015-019-029-035-049-053-AMZ330-350-  
352-030200-  
/E.CON.KCHS.SV.A.0148.000000T0000Z-040503T0200Z/

SEVERE THUNDERSTORM WATCH 148 REMAINS VALID UNTIL 1000 PM EDT SUNDAY  
FOR THE FOLLOWING AREAS

IN SOUTHEAST GEORGIA

BRYAN	CHATHAM	EFFINGHAM
LIBERTY	LONG	MCINTOSH

IN SOUTHEAST SOUTH CAROLINA

BEAUFORT	BERKELEY	CHARLESTON
COLLETON	DORCHESTER	HAMPTON
JASPER		

THIS WATCH INCLUDES THE FOLLOWING ADJACENT COASTAL WATERS

SOUTH SANTEE RIVER SC TO EDISTO BEACH SC OUT 20 NM

CHARLESTON HARBOR

EDISTO BEACH SC TO SAVANNAH GA OUT 20 NM

SAVANNAH GA TO ALTAMAHA SOUND GA OUT 20 NM

INCLUDING THE CITIES OF...DARIEN...HALFMOON LANDING...HINESVILLE...  
LUDOWICI...PEMBROKE...SAVANNAH...SPRINGFIELD...TOWNSEND...WILMINGTON...  
WILMINGTON ISLAND...BEAUFORT...CHARLESTON...EDISTO BEACH...HAMPTON...  
HILTON HEAD ISLAND...MONCKS CORNER...RIDGELAND...SAINT GEORGE AND  
WALTERBORO.

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### Example 3 – WFO Clears Several Counties from a Watch

WWUS62 KCHS 311750  
WCNCHS

EXPERIMENTAL...WATCH COUNTY NOTIFICATION FOR WATCH 354  
NATIONAL WEATHER SERVICE CHARLESTON SC  
151 PM EDT MON MAY 31 2004

THIS WATCH COUNTY NOTIFICATION PRODUCT IS AN EXPERIMENTAL PRODUCT  
BEING ISSUED IN ADDITION TO OUR SEVERE WEATHER PRODUCTS.

GAC031-043-103-109-165-183-251-267-SCC005-049-312200-  
/E.CAN.KCHS.SV.A.0354.000000T0000Z-040531T2200Z/

THE NATIONAL WEATHER SERVICE HAS CLEARED A PORTION OF SEVERE  
THUNDERSTORM WATCH 354. AREAS CLEARED FROM THE SEVERE THUNDERSTORM  
WATCH INCLUDE

IN SOUTHEAST GEORGIA

BULLOCH	CANDLER	EFFINGHAM
EVANS	JENKINS	LONG
SCREVEN	TATTNALL	

IN SOUTHEAST SOUTH CAROLINA

ALLENDALE                      HAMPTON

INCLUDING THE CITIES OF...CLAXTON...LUDOWICI...METTER...MILLEN...  
REIDSVILLE...SPRINGFIELD...STATESBORO...SYLVANIA...ALLENDALE AND  
HAMPTON

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GAC029-051-179-191-SCC013-015-019-029-035-053-312200-  
/E.CON.KCHS.SV.A.0354.000000T0000Z-040531T2200Z/

SEVERE THUNDERSTORM WATCH 354 REMAINS VALID UNTIL 600 PM EDT MONDAY  
EVENING FOR THE FOLLOWING AREAS

IN SOUTHEAST GEORGIA

BRYAN	CHATHAM	LIBERTY
MCINTOSH		

IN SOUTHEAST SOUTH CAROLINA

BEAUFORT	BERKELEY	CHARLESTON
COLLETON	DORCHESTER	JASPER

INCLUDING THE CITIES OF DARIEN...HALFMOON LANDING...HINESVILLE...  
PEMBROKE...SAVANNAH...TOWNSEND...WILMINGTON ISLAND...BEAUFORT...  
CHARLESTON...EDISTO BEACH...HILTON HEAD ISLAND AND MONCKS CORNER.

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## Example 4 – WFO or SPC Cancels a Watch

WWUS62 KCHS 312050  
WCNCHS

EXPERIMENTAL...WATCH COUNTY NOTIFICATION FOR WATCH 400  
NATIONAL WEATHER SERVICE CHARLESTON SC  
450 PM EDT MON MAY 31 2004

THIS WATCH COUNTY NOTIFICATION PRODUCT IS AN EXPERIMENTAL PRODUCT  
BEING ISSUED IN ADDITION TO OUR SEVERE WEATHER PRODUCTS.

GAC029-051-179-191-SCC013-015-019-029-035-053-AMZ330-350-352-354-  
312150-  
/E.CAN.KCHS.TO.A.0400.000000T0000Z-040531T2200Z/

THE NATIONAL WEATHER SERVICE HAS CANCELLED TORNADO WATCH 400 FOR THE  
FOLLOWING AREAS. NO AREAS REMAIN WITHIN THIS WATCH.

IN SOUTHEAST GEORGIA

BRYAN	CHATHAM	LIBERTY
MCINTOSH		

IN SOUTHEAST SOUTH CAROLINA

BEAUFORT	BERKELEY	CHARLESTON
COLLETON	DORCHESTER	JASPER

INCLUDING THE FOLLOWING ADJACENT COASTAL WATERS

SOUTH SANTEE RIVER SC TO EDISTO BEACH SC OUT 20 NM

CHARLESTON HARBOR

EDISTO BEACH SC TO SAVANNAH GA OUT 20 NM

SAVANNAH GA TO ALTAMAHA SOUND GA OUT 20 NM

INCLUDING THE CITIES OF DARIEN...HALFMOON LANDING...HINESVILLE...  
PEMBROKE...SAVANNAH...TOWNSEND...WILMINGTON ISLAND...BEAUFORT...  
CHARLESTON...EDISTO BEACH...HILTON HEAD ISLAND...MONCK'S CORNER AND  
WALTERBORO.

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## Example 5 – Multiple Watches in Effect with No County Overlap

WWUS62 KCHS 022054  
WCNCHS

EXPERIMENTAL...WATCH COUNTY NOFITICATION FOR WATCH 146  
NATIONAL WEATHER SERVICE CHARLESTON SC  
453 PM EDT SUN MAY 2 2004

THIS WATCH COUNTY NOTIFICATION PRODUCT IS AN EXPERIMENTAL PRODUCT  
BEING ISSUED IN ADDITION TO OUR SEVERE WEATHER PRODUCTS.

GAC031-043-109-165-251-367-SCC005-022300-  
/E.CON.KCHS.SV.A.0146.000000T0000Z-040502T2300Z/

SEVERE THUNDERSTORM WATCH NUMBER 146 REMAINS VALID UNTIL 700 PM EDT  
SUNDAY EVENING FOR THE FOLLOWING AREAS

IN SOUTHEAST GEORGIA

BULLOCH	CANDLER	EVANS
JENKINS	SCREVEN	TATTANALL

IN SOUTHEAST SOUTH CAROLINA

ALLENDALE

INCLUDING THE CITIES OF...CLAXTON...METTER...MILLEN...REIDSVILLE...  
STATESBORO...SYLVANIA AND ALLENDALE

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GAC029-051-103-179-183-191-SCC013-015-019-029-035-049-053-030200-  
/E.NEW.KCHS.SV.A.0148.040502T2050Z-040503T0200Z/

THE NATIONAL WEATHER SERVICE HAS ISSUED SEVERE THUNDERSTORM WATCH  
148 UNTIL 1000 PM EDT SUNDAY EVENING FOR THE FOLLOWING AREAS

IN SOUTHEAST GEORGIA

BRYAN	CHATHAM	EFFINGHAM
LIBERTY	LONG	MCINTOSH

IN SOUTHEAST SOUTH CAROLINA

BEAUFORT	BERKELEY	CHARLESTON
COLLETON	DORCHESTER	HAMPTON
JASPER		

INCLUDING THE CITIES OF...DARIEN...HALFMOON LANDING...HINESVILLE...  
LUDOWICI...PEMBROKE...SAVANNAH...SPRINGFIELD...TOWNSEND...WILMINGTON...  
WILMINGTON ISLAND...BEAUFORT...CHARLESTON...EDISTO BEACH...HAMPTON...  
HILTON HEAD ISLAND...MONCKS CORNER...RIDGELAND...SAINT GEORGE AND  
WALTERBORO

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## Example 6 – Multiple Watches In Effect with County Overlap

WWUS62 KCHS 022329  
WCNCHS

EXPERIMENTAL...WATCH COUNTY NOTIFICATION FOR WATCH 800  
NATIONAL WEATHER SERVICE CHARLESTON SC  
729 PM EDT WED JUN 2 2004

THIS WATCH COUNTY NOTIFICATION PRODUCT IS AN EXPERIMENTAL PRODUCT  
BEING ISSUED IN ADDITION TO OUR SEVERE WEATHER PRODUCTS.

SCC005-049-053-030400-  
/E.CAN.KCHS.TO.A.0800.000000T0000Z-040603T0000Z/  
/E.NEW.KCHS.TO.A.0804.040603T0000Z-040603T0400Z/

TORNADO WATCH 800 HAS BEEN REPLACED BY TORNADO WATCH 804 AND  
IS VALID UNTIL 1200 AM EDT THURSDAY MORNING FOR THE FOLLOWING  
AREAS

IN SOUTHEAST SOUTH CAROLINA

ALLENDALE                                      HAMPTON                                      JASPER

INCLUDING THE CITIES OF...ALLENDALE...HAMPTON AND HINESVILLE

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SCC043-048-030400-  
/E.NEW.KCHS.TO.A.0804.040603T0000Z-040603T0400Z/

THE NATIONAL WEATHER SERVICE HAS ISSUED TORNADO WATCH 804 VALID  
UNTIL 1200 AM EDT THURSDAY MORNING FOR THE FOLLOWING AREAS

IN SOUTHEAST SOUTH CAROLINA

COLLETON                                      BEAUFORT

INCLUDING THE CITIES OF...WALTERBORO AND BEAUFORT

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GAC029-031-043-051-103-109-179-183-191-267-030200-  
/E.CON.KCHS.TO.A.0800.000000T0000Z-040603T0200Z/

TORNADO WATCH 800 REMAINS IN EFFECT UNTIL 1000 PM EDT WEDNESDAY  
EVENING FOR THE FOLLOWING AREAS

IN SOUTHEAST GEORGIA

BRYAN                                      BULLOCH                                      CANDLER  
CHATHAM                                      EFFINGHAM                                      EVANS

INCLUDING THE CITIES OF...CLAXTON...DARIEN...HALFMOON LANDING...  
HINESVILLE...LUDOWICI...METTER...PEMBROKE...REIDSVILLE AND STATESBORO.  
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## Example 7 -- SPC Watch Outline Update (WOU)

WOUS64 KWNS 051631  
WOU1

BULLETIN - IMMEDIATE BROADCAST REQUESTED  
SEVERE THUNDERSTORM WATCH OUTLINE UPDATE FOR WS 711  
NWS STORM PREDICTION CENTER NORMAN OK  
1235 PM EDT THU AUG 5 2004

SEVERE THUNDERSTORM WATCH 711 IS IN EFFECT UNTIL 800 PM EDT  
FOR THE FOLLOWING LOCATIONS

GAC105-119-137-147-241-257-060000-  
/X.NEW.KWNS.SV.A.0711.040805T1635Z-040806T0000Z/

GA  
. GEORGIA COUNTIES INCLUDED ARE

ELBERT	FRANKLIN	HABERSHAM
HART	RABUN	STEPHENS
\$\$		

(continued)

NCC001-003-007-013-015-017-025-029-031-035-037-041-045-049-051-  
053-055-057-059-061-063-065-067-069-071-073-077-079-081-083-085-  
091-093-095-097-101-103-105-107-109-117-119-123-125-127-131-133-  
135-137-139-141-143-145-147-151-153-155-159-163-165-167-177-179-  
181-183-185-187-191-195-060000-  
/X.NEW.KWNS.SV.A.0711.040805T1635Z-040806T0000Z/

NC

. NORTH CAROLINA COUNTIES INCLUDED ARE

ALAMANCE	ALEXANDER	ANSON
BEAUFORT	BERTIE	BLADEN
CABARRUS	CAMDEN	CARTERET
CATAWBA	CHATHAM	CHOWAN
CLEVELAND	CRAVEN	CUMBERLAND
CURRITUCK	DARE	DAVIDSON
DAVIE	DUPLIN	DURHAM
EDGECOMBE	FORSYTH	FRANKLIN
GASTON	GATES	GRANVILLE
GREENE	GUILFORD	HALIFAX
HARNETT	HERTFORD	HOKE
HYDE	IREDELL	JOHNSTON
JONES	LEE	LENOIR
LINCOLN	MARTIN	MECKLENBURG
MONTGOMERY	MOORE	NASH
NORTHAMPTON	ONSLOW	ORANGE
PAMLICO	PASQUOTANK	PENDER
PERQUIMANS	PERSON	PITT
RANDOLPH	RICHMOND	ROBESON
ROWAN	SAMPSON	SCOTLAND
STANLY	TYRRELL	UNION
VANCE	WAKE	WARREN
WASHINGTON	WAYNE	WILSON

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SCC001-007-021-023-025-031-033-039-045-047-055-057-059-061-063-  
069-071-073-077-079-081-083-085-087-091-060000-  
/X.NEW.KWNS.SV.A.0711.040805T1635Z-040806T0000Z/

SC

. SOUTH CAROLINA COUNTIES INCLUDED ARE

ABBEVILLE	ANDERSON	CHEROKEE
CHESTER	CHESTERFIELD	DARLINGTON
DILLON	FAIRFIELD	GREENVILLE
GREENWOOD	KERSHAW	LANCASTER
LAURENS	LEE	LEXINGTON
MARLBORO	NEWBERRY	OCONEE
PICKENS	RICHLAND	SALUDA
SPARTANBURG	SUMTER	UNION
YORK		

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(continued)

VAC081-093-175-550-595-620-710-740-800-810-060000-  
/X.NEW.KWNS.SV.A.0711.040805T1635Z-040806T0000Z/

VA

. VIRGINIA COUNTIES INCLUDED ARE

GREENSVILLE                      ISLE OF WIGHT                      SOUTHAMPTON

VIRGINIA INDEPENDENT CITIES INCLUDED ARE

CHESAPEAKE	EMPORIA	FRANKLIN
NORFOLK	PORTSMOUTH	SUFFOLK
VIRGINIA BEACH		
\$\$		

AMZ130-135-150-152-ANZ633-656-658-060000-  
/X.NEW.KWNS.SV.A.0711.040805T1635Z-040806T0000Z/

CW

. ADJACENT COASTAL WATERS INCLUDED ARE

ALBEMARLE SOUND

PAMLICO SOUND

COASTAL WATERS FROM CURRITUCK BEACH LIGHT TO OREGON INLET NC OUT  
20 NM

COASTAL WATERS FROM OREGON INLET TO CAPE HATTERAS NC OUT 20 NM  
CURRITUCK SOUND

COASTAL WATERS FROM CAPE CHARLES LIGHT VA TO NC VA BORDER OUT 20  
NM

COASTAL WATERS FROM NC VA BORDER TO CURRITUCK BEACH LIGHT NC OUT  
20 NM  
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ATTN...WFO...GSP...AKQ...MHX...CAE...ILM...RAH...

## **Communications Header Information for WCN/WOU**

### **Eastern Region**

WFO Charleston, SC (CHS)	WWUS62 KCHS
WFO Columbia, SC (CAE)	WWUS62 KCAE
WFO Wilmington, NC (ILM)	WWUS62 KILM
WFO Newport/Morehead City, NC (MHX)	WWUS62 KMHX
WFO Raleigh, NC (RAH)	WWUS62 KRAH
WFO Pittsburgh, PA (PBZ)	WWUS61 KPBZ

### **Central Region**

WFO Pleasant Hill, MO (EAX)	WWUS63 KEAX
WFO Springfield, MO (SGF)	WWUS63 KSGF
WFO St. Louis, MO (LSX)	WWUS63 KLSX
WFO Wichita, KS (ICT)	WWUS63 KICT

### **Southern Region**

WFO Lake Charles, LA (LCH)	WWUS64 KLCH
WFO Houston/Galveston, TX (HGX)	WWUS64 KHGX
WFO Dallas-Ft. Worth, TX (FWD)	WWUS64 KFWD
WFO Norman, OK (OUN)	WWUS64 KOUN

### **Western Region**

WFO Glasgow, MT (GGW)	WWUS65 KGGW
WFO Billings, MT (BYZ)	WWUS65 KBYZ
WFO Great Falls, MT (TFX)	WWUS65 KTFX
WFO Boise, ID (BOI)	WWUS65 KBOI

Storm Prediction Center	WWUS64 KWNS
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